

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 1	Application Number	10/733211
	Filing Date	December 11, 2003
	First Named Inventor	Jing, Naiyong
	Art Unit	1711
	Examiner Name	Sanza L. McClendon
	Attorney Case Number	59455US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
SM	A1	US- 3,282,875	11/01/1966	Connolly et al.	
	A2	US- 6,274,677 B1	08/14/2001	Tatemoto	
	A3	US- 6,498,216 B1	12/24/2002	Cheng	
SM	A4	US- 6,667,377 B2	12/23/2003	Feiring et al.	
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B1						
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1		
	C2		
	C3		

*Examiner: <i>SM</i>	Date Considered: <i>3/5/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Information Disclosure Statement)

Substitute for form 1449A/PTO (modified)		Application Number	10/733211
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 1		Filing Date	December 11, 2003
		First Named Inventor	Jing, Naiyong
		Art Unit	1711
		Examiner Name	Sanza L. McClendon
		Attorney Case Number	59455US002



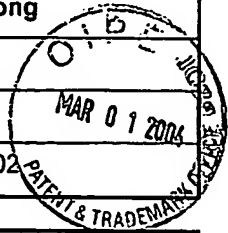
U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
SM	A1	US- 4,218,542	08/19/1980	Ukihashi et al.	
	A2	US- 4,602,045	07/22/1986	Markus et al.	
	A3	US- 5,330,626	07/19/1994	Banerjee	
	A4	US- 5,466,930	11/14/1995	Schlenoff	
	A5	US- 6,224,994 B1	05/01/2001	Asukabe et al.	
SM	A6	US- 2003/181572	09/25/2003	Tan et al.	
	A7	US-			
	A8	US-			
	A9	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
SM	B1	EP	0 422 231 B1	12/27/1995			
SM	B2	EP	1 091 435 A1	04/11/2001	Daikin Industries, Ltd.		
SM	B3	WO	97/17381	05/15/1997	AlliedSignal Inc.		
	B4						
	B5						

OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
SM	C1	Gab-Jin Hwang et al.; "Preparation Of Cation Exchange Membrane As A Separator For The All-Vanadium Redox Flow Battery", Journal of Membrane Science, Elsevier Scientific Publ. Company, Amsterdam, NL, Vol. 120, No. 1, October 30, 1996, pp. 55 - 67.	
	C2		
	C3		

*Examiner: <u>Sanza L. McClendon</u>	Date Considered: <u>3/5/05</u>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 1	Application Number	10/733211
	Filing Date	December 11, 2003
	First Named Inventor	Jing, Naiyong
	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Case Number	59455US002



U.S. Patent Documents						
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Doc. Number-(Kind Code if Known)				
SM	A1	US- 4,000,356	12/28/1976	Weisgerber et al.		
	A2	US- 4,470,889	09/11/1984	Ezzell et al.		
	A3	US- 5,260,351	11/09/1993	Logothetis, A. L.		
	A4	US- 6,254,978	07/03/2001	Bahar et al.		
	A5	US- 6,380,337	04/30/2002	Abe et al.		
	A6	US- 6,624,328	09/23/2003	Guerra, M. A.		
	A7	US- RE 37,307	08/07/2001	Bahar et al.		
	A8	US- RE 37,656	04/16/20002	Bahar et al.		
SM	A9	US- RE 37,701	05/14/2002	Bahar et al.		
	A10	US- 2003/0181615 A1	09/25/2003	Ameduri et al.		
	A11	US-				

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
SM	B1	EP	407 937	01/16/1994			
	B2						
	B3						
	B4						
	B5						
	B6						
	B7						

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	
	C2	
	C3	

*Examiner: <i>Shyni M. Gille</i>	Date Considered: <i>3/5/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 4

Application Number

10/733211

Filing Date

December 11, 2003

First Named Inventor

Jing, Naiyong

Art Unit

Unknown

Examiner Name

Unknown

Attorney Case Number

59455US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
SM	A1	US- 3,635,926	01/18/1974	Gresham et al.	
	A2	US- 4,073,752	02/14/1978	Ramp	
	A3	US- 4,214,060	07/22/1980	Apotheker et al.	
	A4	US- 4,230,549	10/28/1980	D'Agostino et al.	
	A5	US- 4,242,498	12/30/1980	Rosser et al.	
	A6	US- 4,281,092	07/28,1981	Breazeale	
	A7	US- 4,330,654	05/18/1982	Ezzell et al.	
	A8	US- 4,334,082	06/08/1982	Resnick	
	A9	US- 4,414,159	11/08/1983	Resnick	
	A10	US- 4,440,917	04/03/1984	Resnick	
	A11	US- 4,454,247	06/12/1984	Resnick	
	A12	US- 4,508,603	04/02/1985	Ukihashi et al.	
	A13	US- 4,686,024	08/11/1987	Scherer, Jr. et al.	
	A14	US- 4,743,419	05/10/1988	Bierschenk	
	A15	US- 4,755,567	07/05/1988	Bierschenk et al.	
	A16	US- 4,981,932	01/01/1991	Blaise et al.	
	A17	US- 5,264,508	11/23/1993	Ishibe et al.	
	A18	US- 5,527,861	06/18/1996	Logothesis	
	A19	US- 5,608,022	03/04/1997	Nakayama et al.	
	A20	US- 5,804,650	09/08/1998	Tsuda et al.	
	A21	US- 5,693,748	12/02/1997	Ikeda et al.	
	A22	US- 5,798,417	08/25/1998	Howard, Jr.	
	A23	US- 5,986,012	11/16/1999	Legare et al.	
	A24	US- 6,011,074	01/04/2000	Sorenson et al.	
	A25	US- 6,090,895	07/18/2000	Mao et al.	
	A26	US- 6,225,368 B1	05/01/2001	D'Agostino et al.	
	A27	US- 6,242,123 B1	06/05/2001	Nezu et al.	
SM	A28	US- 6,255,370 B1	07/03/2001	Vizcaino et al.	

*Examiner:

S. M. Wells

Date Considered:

3/5/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 4	Application Number	10/733211
	Filing Date	December 11, 2003
	First Named Inventor	Jing, Naiyong
	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Case Number	59455US002

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
SMC	A29	US- 6,277,512 B1	08/21/2001	Hamrock et al.	
	A30	US- 6,355,370 B2	03/12/2002	Katoh et al.	
	A31	US- 6,387,964 B1	05/14/2002	D'Agostino et al.	
	A32	US- 6,423,784 B1	07/23/2002	Hamrock et al.	
	A33	US- 6,426,397 B1	07/30/2002	Armand et al.	
	A34	US- 6,462,228 B1	10/08/2002	Dams	
	A35	US- 6,503,378 B1	01/07/2003	Fisher	
	A36	US- 6,552,135 B2	04/22/2003	Schnurnberger et al.	
	A37	US- 6,649,703 B2	11/18/2003	Michot et al.	
	A38	US- 6,670,424 B1	12/30/2003	Michot et al.	
	A39	US- 2002/0014405 A1	02/07/2002	Arcella et al.	
	A40	US- 2002/0040106 A1	04/04/2002	Wlassics et al.	
	A41	US- 2003/0032739 A1	02/13/2003	Kerres et al.	
	A42	US- 2003/0092940 A1	05/15/2003	Hamrock	
SMC	A43	US- 2003/0208014 A1	11/06/2003	Kerres et al.	
	A44	US-			

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (If known)				
SME	B1	DE	26 24 203 (Abstract) ✓	12/23/1976			
	B2	DE	26 38 791 (Abstract)	03/03/1977			
	B3	DE	100 21 104 A1 (Abstract)	11/08/2001			
	B4	EP	0 048 964 A2	04/07/1982			
	B5	EP	1 085 038 A1	03/21/2001			
	B6	EP	1 179 548 A1	02/13/2002			
	B7	EP	1 359 142 A1	11/05/2003			
	B8	FR	2 387 260 (Abstract)	12/15/1976			
SME	B9	JP	5-314960 (Abstract)	11/26/1993			

*Examiner: <i>SMC</i>	Date Considered: 3/5/05
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 3 of 4	Application Number	10/733211
	Filing Date	December 11, 2003
	First Named Inventor	Jing, Nalyong
	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Case Number	59455US002

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-Kind Code (if known)				
SM	B10	JP	8-239494 (Abstract)	09/17/1996			
	B11	JP	53-134088 (Abstract)	11/22/1978			
	B12	JP	53-29291 (Abstract)	03/18/1978			
	B13	JP	53-97988 (Abstract)	08/26/1978			
	B14	JP	54-52690 (Abstract)	04/25/1979			
	B15	JP	56-72002 (Abstract)	06/16/1981			
	B16	JP	64-3140 (Abstract)	01/06/1989			
	B17	JP	2000-119420 (Abstract)	04/25/2000			
	B18	JP	2000-268834 (Abstract)	09/29/2000			X Machine
	B19	JP	2001-176524 (Abstract)	06/29/2001			
	B20	JP	2001-29800 (Abstract)	02/06/2001			
	B21	JP	2002-313364 (Abstract)	10/25/2002			
	B22	JP	SHO 60-250009	12/10/1985			X
	B23	JP	SHO 62-288617	12/15/1987			X
	B24	WO	94/03503	02/17/1994			
	B25	WO	99/38897 (Abstract)	08/05/1999			
	B26	WO	00/52060	09/08/2000			
	B27	WO	01/27167 A1	04/19/2001			
	B28	WO	01/87992 A2 (Abstract)	11/22/2001			
	B29	WO	01/96268 A2 (Abstract)	12/20/2001			
	B30	WO	02/062749 A1 (Abstract)	08/15/2002			
	B31	WO	02/087001 A2	10/31/2002			
	B32	WO	02/50142 A1 (Abstract)	06/27/2002			
	B33	WO	02/103834 A1	12/27/2002			
	B34	WO	03/004463 A1 (Abstract)	01/16/2003			
	B35	WO	03/022892 A2 (Abstract)	03/20/2003			
SM	B36						

*Examiner: SM 9/22/08

Date Considered: 3/6/08

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement)

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 4 of 4	Application Number	10/733211
	Filing Date	December 11, 2003
	First Named Inventor	Jing, Nalyong
	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Case Number	59455US002

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
SM	C1	10/325,278 Filed 12/19/2002; POLYMER ELECTROLYTE MEMBRANE; (57929US002)
SM	C2	Kirk-Othmer, <u>Encyclopedia of Chemical Technology</u> , 3d ed., Vol. 10, (1980), pp. 840 – 851.
	C3	

*Examiner: <i>SM</i>	Date Considered: 3/5/05
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	